# Unique Item Tracking Committee

NAVSUP
NAVAL SUPPLY SYSTEMS COMMAND

UNITED STATES NAVY SERIAL NUMBER TRACKING
SNT

SNT

www.snt.navsup.navy.mil

*Ready. Resourceful. Responsive!*

MATT MULLINS
CDR, USN
17 JUN 2003

# Outline



Outline

- Background/Overview
- Implementation
- System Access
- AIT
- Parallel Goals with DOD
- Summary

NAVSUP
NAVAL SUPPLY SYSTEMS COMMAND

# How SNT Got Started

UNITED STATES NAVY SERIAL NUMBER TRACKING
SNT

## *Aviation Maintenance-Supply Readiness (AMSR) Review Tasking - 1998*

Background/Overview

⇩ Lower Maintenance & Supply Cost

⇧ Increase Readiness

**Result – Serial Number Tracking Initiative provi**

- Retrograde Tracking & TAV

**By T/M/S, Organization and time period**

- Cannibalization data
- BCM statistics
- Top Cost Driver figures
- Reliability information

NAVSUP
NAVAL SUPPLY SYSTEMS COMMAND

# Overview

UNITED STATES NAVY SERIAL NUMBER TRACKING
SNT



**Definition:** ***Closed-loop, cradle-to-grave tracking maintenance critical, serialized components, prov asset visibility and material status, and enabled b automatic identification technology***

## *Maintenance*

- Identify Maintenance Deficiencies
- Measure Reliability
- Accurate Record Configuration
- Identify Latent Defects
- Determine Training Requirements
- Assist Engineering Investigations

## *Supply*

- Assess Repair Turn Around Time
- Decrease Misidentification and Los
- Warranty Management
- Predict Parts Requirements
- Better Procurement Decisions
- Measure Reliability
- Achieve Total Asset Visibility

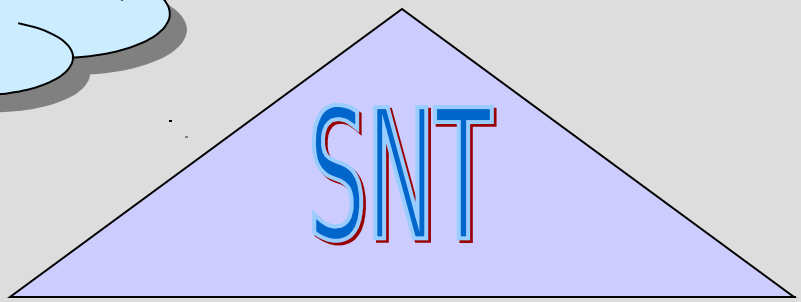
NAVSUP
NAVAL SUPPLY SYSTEMS COMMAND

# SNT Consists of Two Pillars

UNITED STATES NAVY SERIAL NUMBER TRACKING
SNT

Implementation

SNT requires two components




**FIRST**

**Live access to databases via the SNT Web-enabled portal.**

**Data Base Access**

- WMRS/A-ORS
- eRMS/WMPS
- UICP
- WEB-CAV
- CAV-ORM
- CAV-Navy
- FACTS
- OOMA/OIMA
- R-Supply
- IBS

**AIT**

- CMB
- 2D Data matrix
- 2D PDF417
- ISO15418/15434
- MILSTD129
- MILSTD130
- MSL
- IRRD

**SECOND**

**Automatic Identificatio Technology (AIT) is used by the SNT to maintain data accurac**

# Aviation Asset/Information Flow

NAVSUP NAVAL SUPPLY SYSTEMS

UNITED STATES NAVY SERIAL NUMBER TRACKING SNT

## Information Systems

System Access

Carcass Screening
Transshipment

Carcass Shipment

ATAC
Hub / Node
Web-MRIL / A-ORS

ATAC DB

UICP

NRFI Inventory

DDD/ FISC

Navy/CAV

ASD

FACTS
WMPS
eRMS

OOMA
OIM
A

I-Level

Retail Sector

NALCOMIS (O)
Top Tier
LMDSS (I)
DMDS (D)

OOMA

'O' Level

NALCOMIS
Foundation Tier

Web-enabled

SNT System

Depot Repair

Organic CAV-ORM

Inter Service

Commercial CAV

NSWC Crane ILSMIS

UICP

GTN

LCAV

GTN

Navy\CAV

DDD/ FISC

RFI Wholesale Inventory

Wholesale Sector

Connected w/SN ---------- No SN Not Asset Flow

NAVSUP
NAVAL SUPPLY SYSTEMS COMMAND

# CMB

UNITED STATES NAVY SERIAL NUMBER TRACKING
SNT

AIT

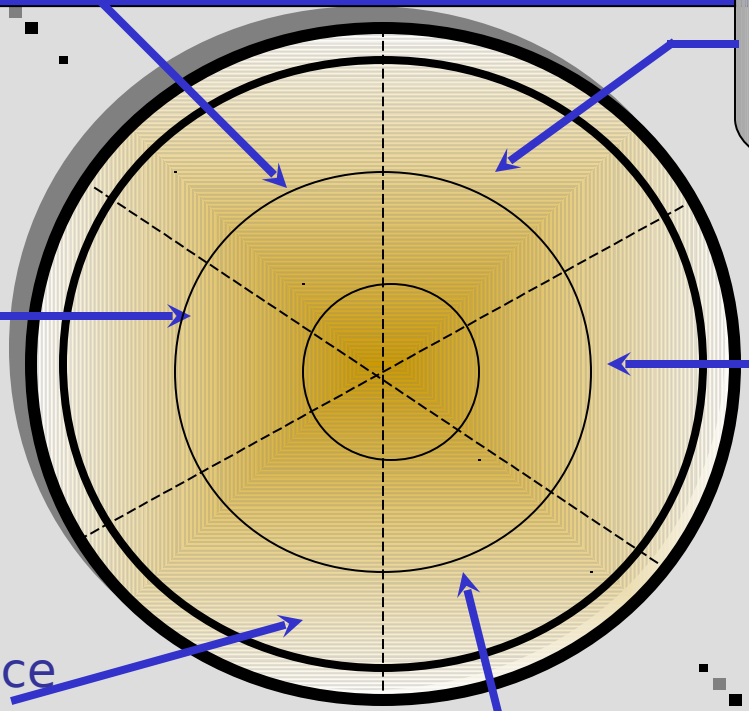
## Contact Memory Button (CMB)

**Scheduled Removal Component Card**

**Nameplate Data**

**Warranty Data**

**Maintenance History****



**Use TBD within aviation maintenance

**CMB Stats:**
- 2k,8k,32k
- ~$7-$13 each
- Read/Write
- Dual CMB/BC Reader $1200

**Available for Vendor Use**

**Available for Future Navy Use**

NAVSUP
NAVAL SUPPLY SYSTEMS COMMAND

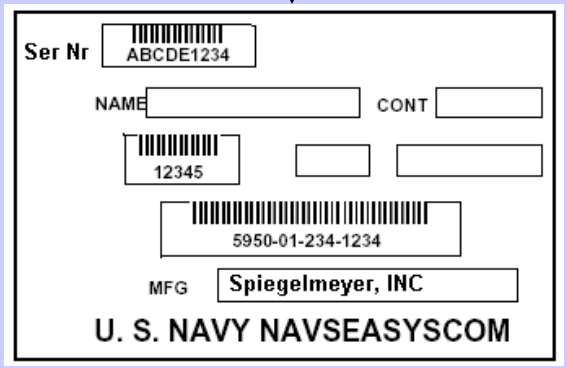
# Military Standards Product Marking

UNITED STATES NAVY SERIAL NUMBER TRACKING
SNT

AIT

## Mil-Std 130 Identification Marking of U. S. Property Product Marking

### Today's Standard




### Tomorrow's Standard

CMB

2D Data Matrix

Cage V2345
PN 33489-12
NSN 5835-01-141-5888
Ser: 45367

NAVSUP
NAVAL SUPPLY SYSTEMS COMMAND

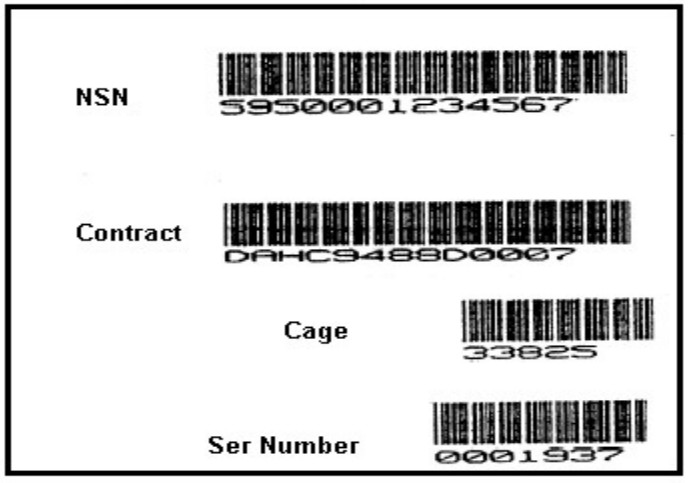
# Military Standards Package Marking

UNITED STATES NAVY SERIAL NUMBER TRACKING
SNT

AIT

## Mil Std 129 Package Marking

### Today's Standard




### Tomorrow's Standard

NAVSUP
NAVAL SUPPLY SYSTEMS COMMAND

# Contracts

UNITED STATES NAVY SERIAL NUMBER TRACKING
SNT

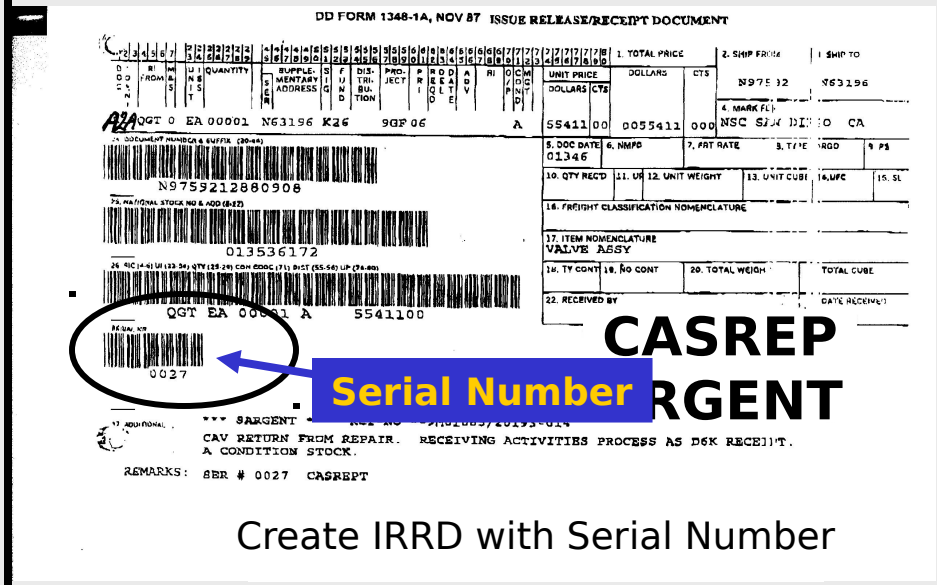
AIT

## Package marking

Mil-Std 129 PDF417
2D
ANSI MH 10

Cage: 02059
PN:102770-351
Ser: 6694
NSN 7025011415888
CONT: N00104-98-T-0023
Name: Magnetic Tape
U/I: EA
QTY: 1

## Invoices



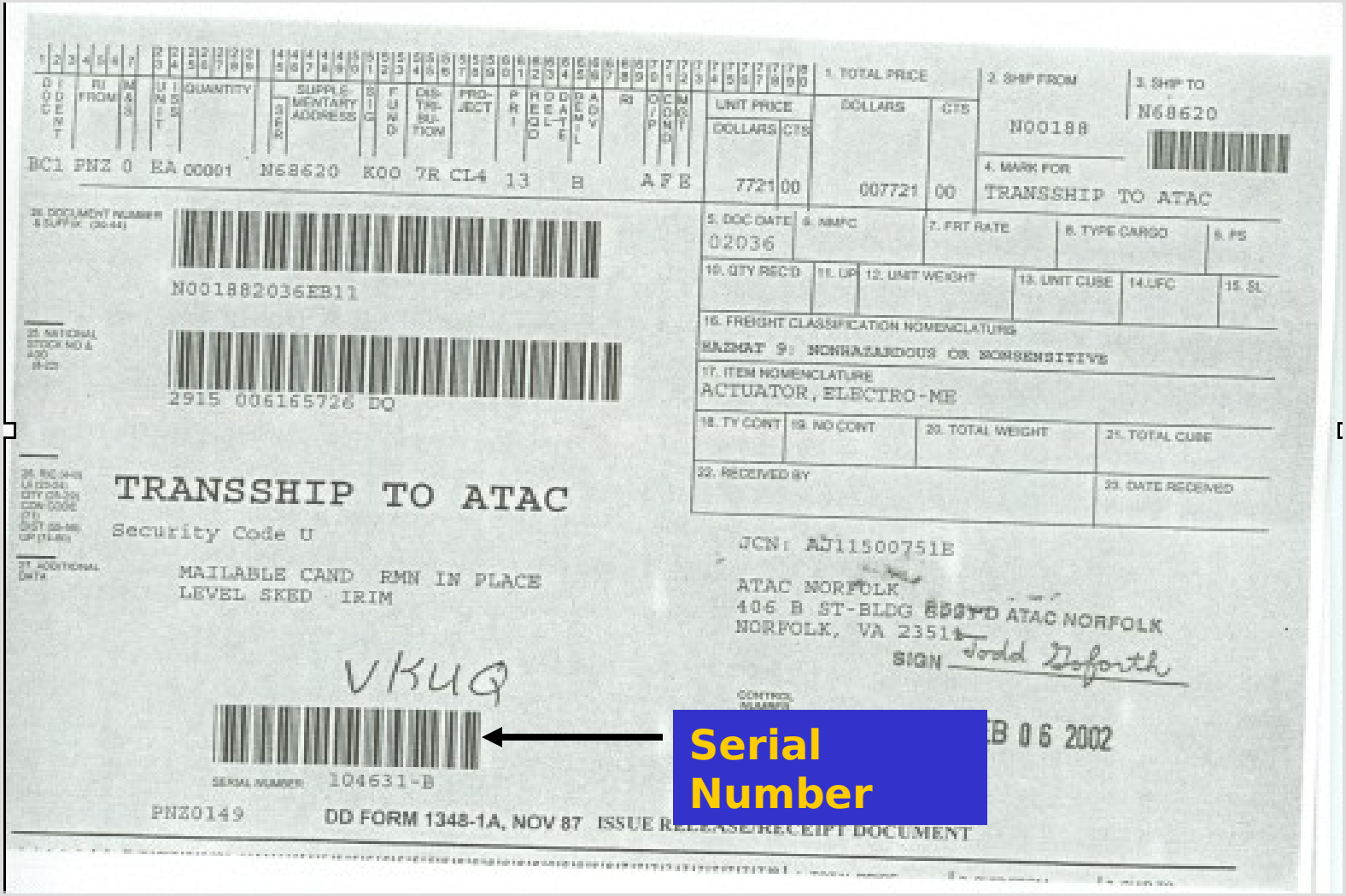

Create IRRD with Serial Number

NAVSUP
NAVAL SUPPLY SYSTEMS COMMAND

# Retrograde from Customer

UNITED STATES NAVY SERIAL NUMBER TRACKING
SNT

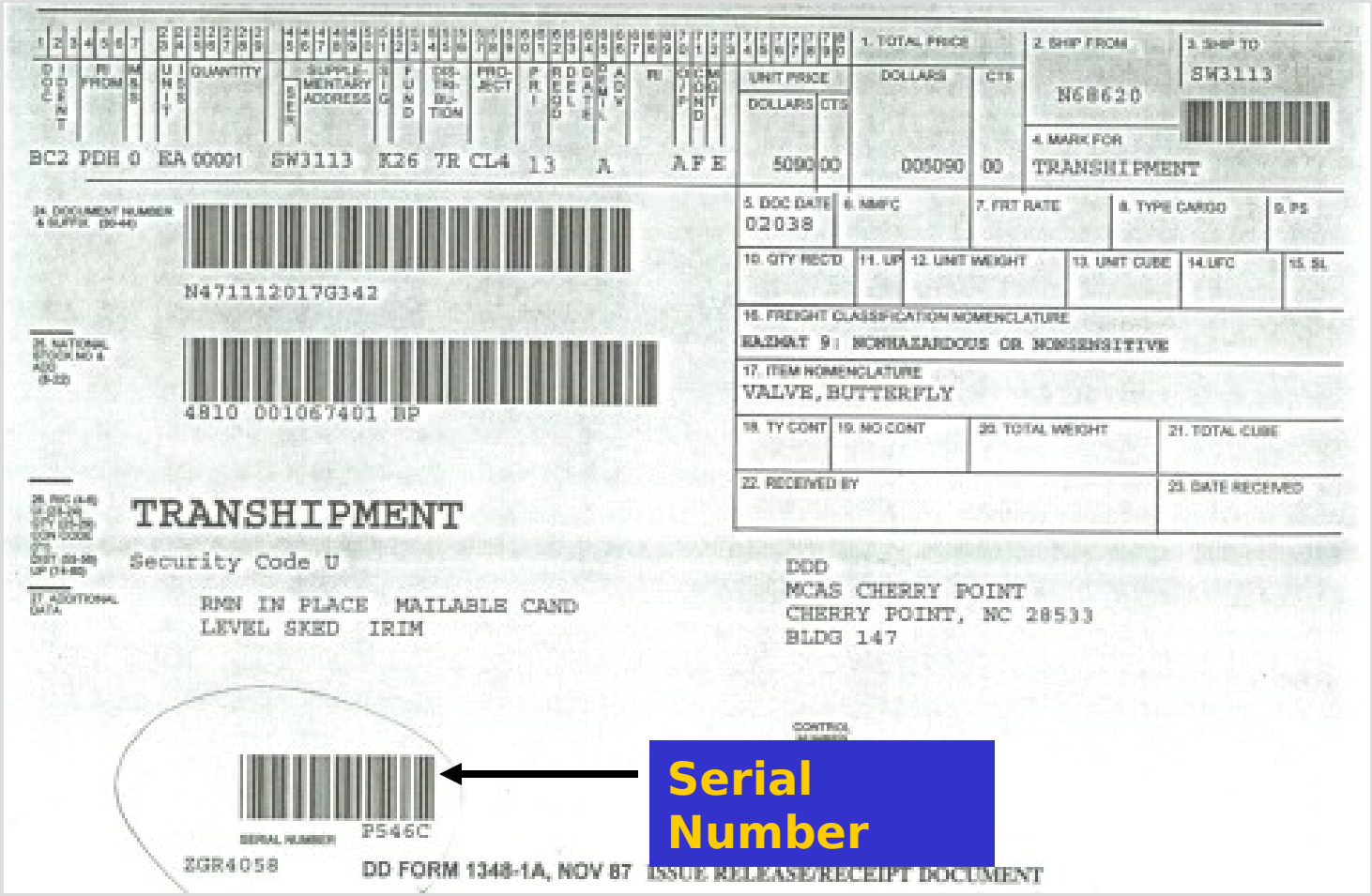
AIT



# Retrograde to DD



AIT



# Wholesale System Reporting S/N

NAVAL SUPPLY SYSTEMS COMMAND

UNITED STATES NAVY SERIAL NUMBER TRACKING SNT

Future

**Coming Soon**
DSS Reports SN of Selected Items For Receipts/ Issues

*Web-enabled*

*SNT System*

SNT WEB Site Accesses Navy Repository

DDNV 12/8/02 – 3/3/03
DDDC/DDCN 1/12/03 – 3/3/03

| Receipts | W/ SN | W/O SN |
|---|---|---|
| DDNV | 6 | 22 |
| DDDC | 193 | 112 |
| DDCN | 493 | 201 |
| Issues | | |
| DDNV | 15 | 9 |
| DDDC | 95 | 164 |
| DDCN | 470 | 314 |

Navy Repository

NAVSUP
NAVAL SUPPLY SYSTEMS COMMAND

# SIM / SNT Parallel Goals

UNITED STATES NAVY SERIAL NUMBER TRACKING SNT

UNITED STATES NAVY SERIAL NUMBER TRACKING SNT

Summary

## DRID 54

| Optimize Logistics Processes to Minimize Customer Wait Time (CWT) using Variance Based Metrics | Customer Confidence In a Simplified Priority System With Time Definite Delivery | Total Asset Visibility Through Use of AIT, Shared Data Environment and Other Applications | Real-Time, Actionable, Web-Based Logistics Information Systems |
|---|---|---|---|
| FY02 | FY02 | FY04 | FY04 |

Complements

- SUPER REG
- DoD 5000.2 Acquisition
- SIM Directive
- ADC 44 & 89
- DoD UID Guide 9 May 03

Navy Enterprise Team Ships

Supply Maintenance Aviation Reengineering Team SMART ERP NAVSUP ★ NAVAIR

# Summary





- SNT Project well underway
- Accessing systems
- Complying with DOD directives
  - AIT
  - UID
- SNT is a part of (and complements) TAV

# Points of Contact

http://www.snt.navsup.navy.mi



## Project Manager

- CDR Matt Mullins (NAVSUP 4B1I)
- DSN 430-2152 COM (717) 605-2152
- Email: matthew.mullins@navy.mil

## Assistant Project Manager

- Wayne Hoover (RCI)
- DSN 430-6668 COM (717) 605-6668
- Email: wayne.hoover@navy.mil

## Contractor Support

Susan Dadey (CTC)
(814) 269-6519
Email: dadeys@ctcgsc.org

Pam Szymczak (RCI)
DSN 430-7259 COM (717) 605-7259
Email: pamela.szymczak@navy.mil